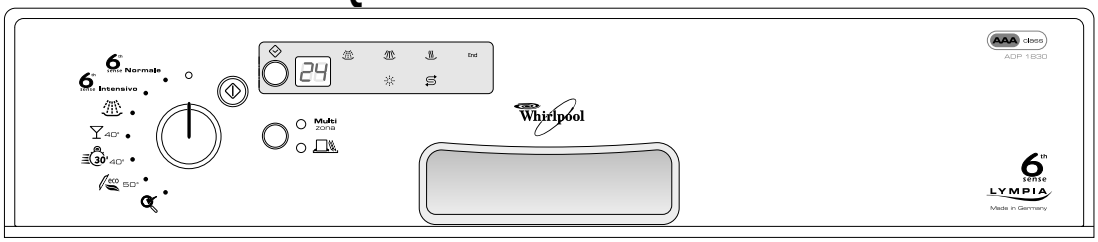
Before using the dishwasher, read the user instructions!

ADP 1830 Quick Reference Guide

GB



Programme selector knob
Mains **On / Off**

Start button
Switches “on” when the dishwasher is operating. Flashes when a fault occurs. Switches off at the end of the programme.

Indicators

Add rinse aid

Add regeneration salt
Only add regeneration salt immediately before starting a wash programme.

Wash cycle

Pre-Rinse **Washing** **Drying** **Programme end**

Options

“Half load - Multizone” button
Load the upper **or** lower rack **only**.
This function can be used with any programme.
Press once = upper rack (the indicator lamp comes on)
Press twice = lower rack (the indicator lamp comes on)
Press 3 times = Off (half load function deactivated).
When washing without the top rack, press the “Half Load” button twice, or “Lower rack wash” (relative LED lights up).

Time and failure display [3]
Indicates in hours the time remaining until the start of the wash cycle. Toward the end of the programme, during the drying cycle, the display will indicate the time remaining in minutes.
“F...” Identification of faults for service technician

“Delayed start” button
The wash cycle can be programmed to start after 1 - 24 hours. With each successive touch of the button, the delayed start indicator increases by 1 hour, and after 24 returns to 00. Then press the Start button. The dishwasher will start at the set time.

Programme chart				Detergent [2]		Consumption [3]		
Programmes			Loading instructions	A	B	Litres	kWh	Minutes
6th sense Normale	Sensor Normal	40-55°C	Automatic programme recommended for routine washes, with no dried-on or burnt food (not for EN 50242).	X	X	10.0-13.0	0.80-1.05	60-120
6th sense Intensivo	Sensor Intensive	60-70°C	Automatic programme recommended for heavily soiled crockery with dried-on or burnt food, for example pans and saucepans.	X	X	13.0-20.0	1.10-2.00	100-150
Prelavaggio	Pre-Rinse	cold	Crockery to be washed later.	-	-	4.0	0.03	14
Cristalli	Glass	40°C	Light soiling, for example glasses and cups.	X	-	10.0	0.80	55
Rapid Plus	Quickwash	40°C	Lightly soiled crockery with no dried-on food.	X	-	10.0	0.65	30
Bio	Normal [1]	50°C	Normally soiled crockery.	X	X	13.0	1.05	135
Hygienic	Antibacterial [4] [5]		Normally or heavily soiled crockery, with additional antibacterial action.	X	X	13.0	1.50	115

1) Reference programme for energy label in compliance with EN 50242 regulations;
2) Refer to “User instructions“;
3) Program data obtained in conformity with European standard EN 50242. Values may vary in relation to usage, e.g.: different loads, water temperatures - above or below 15°C - as well as water hardness and power supply voltage, etc.
4) The bacteria removal efficiency has been tested by the Institut Pasteur de Lille (France), based on the NF EN 13697 standard of November 2001.
5) Programme interruption (e.g. the door being opened) may compromise the result of the antibacterial rinse.

Important information for Test Laboratories:
For detailed information on the EN comparison test and other tests, contact the following address: “nk_customer@whirlpool.com”.

Whirlpool is a registered trademark of Whirlpool USA

5019 396 91540

(We reserve the right to make technical modifications)

How to use the appliance

Further indications are given in the single chapters and in the user instructions.

Switch on the appliance

Turn the knob: the appliance will switch on automatically (if the knob is retractable, press it to pop it out).

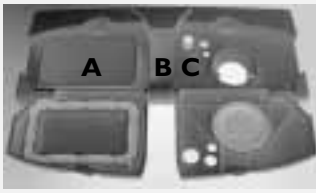
Fill the detergent dispenser

Compartment **A:**

With each wash cycle.

Compartment **B:**

For programmes with pre-wash only.



Check the rinse aid level

Mechanical indicator lamp **C**.
Electric indicator on control panel (if provided).

Check the regeneration salt level

On models with water softener system only.
Mechanical indicator lamp **D**. Electric indicator on control panel (if provided).

Load the racks

Refer to the dishwasher loading instructions.

Close the dishwasher door, turn on the water tap

Select a programme

Select the desired programme.
The corresponding indicator lamp comes on.

Select additional options

If necessary (and if provided).
The corresponding indicator lamp lights up.

Press the Start button

The selected programme is then memorised (even in the event of power failure).

"Change programme in progress"

→ Press the START button for 2 sec. until the Start indicator lamp switches off.

→ Select another programme and press the START button again.

Wash cycle

- Only open the dishwasher if necessary (Warning: beware of hot steam).
- If the appliance is switched off during a wash cycle, when switched on again it will resume the cycle from where it was interrupted.

Switch off the appliance

Only after the START button has switched off: return the knob to its original position (if the knob is retractable, press it to pop it out).

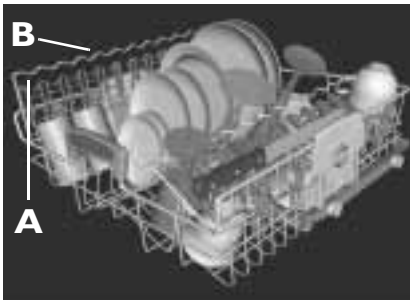
Turn off the water tap, unload the racks

Warning: When the door is opened steam comes out!
Unload the appliance, starting from the lower rack.

Dishwasher loading instructions and racks provided

depending on the model

Upper rack:



Crockery holder (A):
Depending on the position, for long-handles utensils, cups and plates.

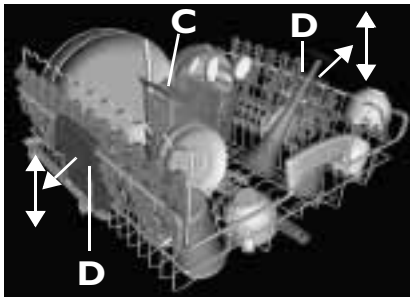
Glass holder (B):
Long-stemmed glasses.

Long-handled utensils (e.g. carving forks, knives) must be arranged with the sharp end facing in towards the appliance.

Half Load:

Load the upper rack **only**. Place the cutlery basket (**C**), if provided, in the upper rack.

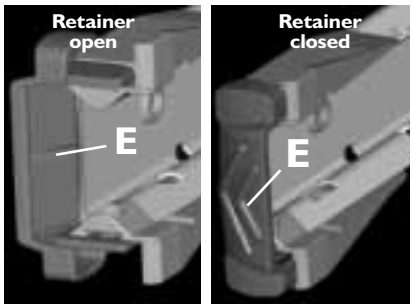
Rack height adjustment (also when loaded):



Lower adjustment: Pull the **two** rack handles (**D**) outwards and lower the rack.

Upper adjustment: Pull the **two** rack handles (**D**) upwards until the rack clicks into place (factory setting).

The rack must be level on both sides.



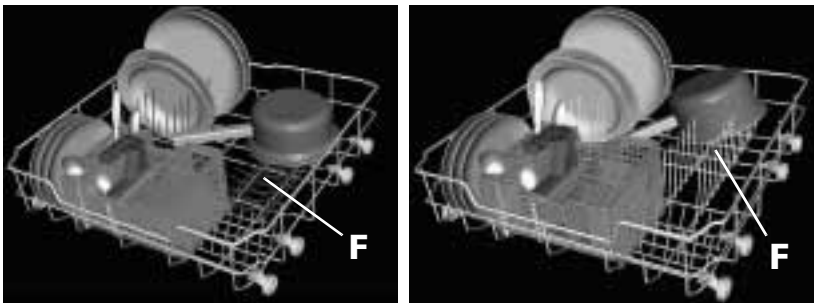
Removing the top rack to provide clearance for large items of crockery in the bottom rack:
Open the rack guide retainers (**E**) on the right and left and remove the top rack.
When the upper rack is in place the retainers must always be closed.

Lower rack:

Depending on the model with fixed or tilting plate holders (**F**).

Half Load:

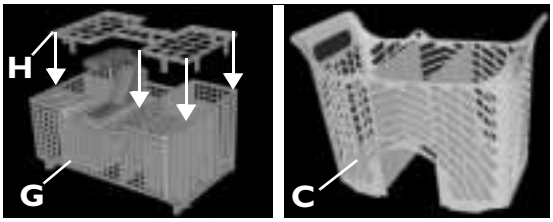
Load the lower rack **only**.
Greater washing power, particularly for plates and saucepans.



Cutlery basket (G):

Grid (**H**) to keep items separate.

Sharp knives and forks that might cause injury must be placed in the cutlery basket with the sharp end facing downwards.



Only use dishwasher-proof crockery and dishes. Do not use the appliance for items not suitable for washing in a dishwasher, for example wooden items, aluminium, tin, hand-decorated crockery (unglazed), silver cutlery.

What to do if...

If a fault occurs, before contacting our After-Sales Service, make the following checks to try and remedy the problem (* see also the corresponding chapter in the user instructions).

Problem	Cause	Remedy
The appliance is not working	• No water supply.	• Open the tap.
	• The appliance does not load sufficient water.	• Clean the water supply tap filter. • Ensure there are no kinks in the water hose.
	• There is a power failure.	• Insert the plug into the mains socket. • Press the Start button. • Close the door. • Check the domestic circuit fuse.
	• Starting the selected programme.	• The programme can be set to “0” to start.
If crockery is not perfectly dry	• Insufficient rinse aid.	• Increase dosage *.
	• Residual water in cavities.	• Load crockery at an angle.
If crockery is not perfectly clean	• The water jet does not reach the crockery.	• Arrange crockery so that items do not touch each other. Load crockery upside down.
	• Insufficient detergent.	• Follow recommended detergent dosage.
	• Unsuitable programme.	• Select a more intense wash cycle.
	• Spray arms blocked.	• The spray arms must be able to turn freely.
	• Spray arm nozzles clogged.	• Remove any impurities obstructing the water flow *.
	• Incorrect detergent/detergent too old.	• Use a good quality detergent.
Sandy or grainy residues	• Clogged filters.	• Check filters regularly/if necessary clean *.
	• Filters incorrectly assembled.	• Insert the filter correctly *.
Colour of plastic parts faded	• Tomato/carrot juice,...	• Depending on the material, if necessary use a detergent with a greater whitening power.
Deposits on crockery		
• removable	• Streaks on the crockery/glasses.	• Increase the rinse aid dosage *.
	• Streaks on glasses.	• Reduce the rinse aid dosage *.
	• Layer of salt on crockery/glasses.	• Close the salt container lid properly *.
• not removable	• Insufficient water softening, calcium deposits.	• Change water hardness setting, if necessary add salt *.
Opaque glasses/ glasses not sparkling	• Cannot be washed in the dishwasher.	• Use suitable glasses.
Rust on cutlery	• Not made of stainless steel.	• Use suitable cutlery.
Identifying appliance faults	• The START indicator lamp flashes. • Indicator F.. (if provided).	• Ensure the filter assembly is not clogged and that there is no interruption to the water supply (if necessary, clean the filters *). Start the programme again. Press the START button for 2 seconds, until the START indicator lamp switches off. Select a new programme and press the Start button again.

If after carrying out the above checks the malfunction persists or appears again, turn the appliance off and turn off the water supply tap, then call our After-Sales Service (see guarantee).

Before contacting our After-Sales Service, take note of the following:

- The nature of the fault.
- The appliance type and model.
- The service code (the number indicated on the adhesive rating plate) inside the door on the right-hand side.

INSTRUCTIONS FOR USE

BEFORE USING THE DISHWASHER/ CONNECTIONS

ELECTRICAL CONNECTION

PRECAUTIONS AND GENERAL RECOMMENDATIONS

HOW TO FILL THE SALT CONTAINER

HOW TO FILL THE RINSE AID DISPENSER

HOW TO FILL THE DETERGENT DISPENSER

CARE AND MAINTENANCE

BEFORE USING THE DISHWASHER/ CONNECTIONS

1. **Removing the packaging and controls:**
   After unpacking, make sure that the dishwasher is undamaged and that the door closes correctly. If in doubt, contact a qualified technician or your local retailer.
- Keep the packaging materials (plastic bags, polystyrene parts, etc.) out of reach of children, as they are potentially dangerous.
- This dishwasher has been factory tested to ensure it functions correctly.
  Such testing may leave slight water marks that will disappear with the first wash.

2. **Water and electrical connections:**
   All water and electrical connections must be carried out by a qualified technician in compliance with the manufacturer's instructions (refer to the enclosed installation booklet) and current local safety regulations.
   The appliance must only be used in the household for the prescribed uses.

   Do not use the dishwasher if it has been damaged in transit. Consult your local retailer or our After-Sales Service.

   (Refer to the separate installation instructions booklet)

3. **Water inlet and drain:**
- Observe any special regulations issued by your local Water Board.
  Water supply pressure: 0.3 - 10 bar.
- Make sure the inlet and drain hoses are kink-free and are not crushed.
- If the hose length is not sufficient, please contact your local dealer or our After-Sales Service.
- The inlet hose must be securely clamped to the water tap to prevent leaks.
- The inlet water temperature varies according to the model installed. Inlet hose marked “25°C Max”: maximum temperature 25°C.
  All other models: maximum temperature 60°C.
- When installing the appliance, make sure the drain water discharges correctly (if necessary, remove the wire gauze from the sink siphon).
- Fix the drain hose to the spigot with a clamp to prevent it from coming off during operation.
  For appliances with water-stop system only: If the water connections are made correctly, the water-stop system safeguards your home against damage caused by flooding.

4. **Electrical connection:**
- Closely adhere to local Electricity Board regulations.
- Voltage information is shown on the rating plate mounted inside the door on the right hand side.
- The appliance must be earthed as prescribed by law.
- Do not use extension leads or multiple adapters.
- Before carrying out maintenance, disconnect the mains plug.
- If necessary, the power cable may be replaced with one the same obtained from our After-Sales Service. The power cable must only be replaced by a qualified technician.

  Warning for models provided with LCD display:

  The mains plug must be positioned in an easily accessible place.

- **For Austria:** if the apparatus is series connected to a fault current switch, this must be sensitive to the pulsating current.

ELECTRICAL CONNECTION

1) For Great Britain only

Warning - this appliance must be earthed

Fuse replacement

If the mains lead of this appliance is fitted with a BS 1363A 13amp fused plug, to change a fuse in this type of plug use an A.S.T.A. approved fuse to BS 1362 type and proceed as follows:

1. Remove the fuse cover (**A**) and fuse (**B**).

2. Fit replacement 13A fuse into fuse cover.

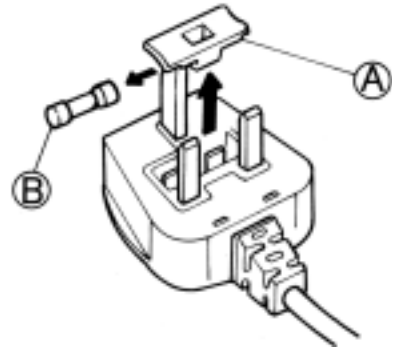
3. Refit both into plug.

Important:

The fuse cover must be refitted when changing a fuse and if the fuse cover is lost the plug must not be used until a correct replacement is fitted.

Correct replacement are identified by the colour insert or the colour embossed in words on the base of the plug.

Replacement fuse covers are available from your local electrical store.



2) For the Republic of Ireland only

The information given in respect of Great Britain will frequently apply, but a third type of plug and socket is also used, the 2-pin, side earth type.

3) Socket outlet / plug (valid for both countries)

If the fitted plug is not suitable for your socket outlet, please contact Whirlpool Service for further instruction. Please do not attempt to change plug yourself. This procedure needs to be carried out by a qualified Whirlpool technician in compliance with the manufactures instructions and current standard safety regulations.

PRECAUTIONS AND GENERAL RECOMMENDATIONS

1. **Packing:**
   The packing box may be fully recycled as confirmed by the recycling symbol ♺.

2. **Energy and water saving tips:**
- Do not rinse crockery under running water.
- Always fully load the dishwasher before switching on or set the wash programme to half load/ Multizone (if available) if **one** rack only is loaded.
- If ecological energy sources are available such as solar panel heating, heat pumps or centralised heating systems, the appliance may be connected to the hot water mains up to a maximum temperature of 60°C. Make sure the water inlet hose is of the correct type. Refer to the "Connections" chapter in these user instructions.

3. **Disposal:**
   The appliance is built from reusable materials. If you decide to scrap the dishwasher, it must be disposed of in compliance with local waste disposal laws.
   Before scrapping, cut off the power cable so that the appliance cannot be connected to the mains.
- To prevent situations of potential danger to children (e.g. danger of suffocation), break the lock of the door so that it can no longer be closed.

4. **Child safety:**
- Children must not be allowed to play with the dishwasher.
- Store the detergent, rinse aid and salt in a dry place out of the reach of children.

5. **Safety warnings:**
- The open dishwasher door can only support the weight of the loaded rack when pulled out. Do not rest objects on the open door or sit or stand on it: **the appliance may topple over!**
- Do not use solvents inside the dishwasher: **risk of explosion!**
- Sharp knives and forks that might cause injury must be placed in the cutlery basket with the sharp end facing downwards.
  Long-handled utensils must be arranged horizontally in the upper rack, with the sharp end facing away from the front of the appliance.
- Before cleaning or carrying out maintenance, switch off the appliance, disconnect the mains plug and turn off the water tap.
- If a fault occurs, switch off the appliance and turn off the water tap.
- On completion of the programme switch off the dishwasher and turn off the water tap.
- Repairs and technical modifications must be carried out exclusively by a qualified technician.
- The water in the dishwasher is not potable.
- Do not store inflammable liquids near the dishwasher.
- Do not operate the appliance in the open air.

6. **Resistance to frost**
   If the appliance is placed in surroundings exposed to the risk of frost, it must be drained completely. Turn off the water tap, remove the flexible inlet and outlet hoses, and let all the water run out.

7. **For appliances with water stop system:**
   The water inlet hose and plastic casing contain electrical components. Do not therefore cut the hose or immerse the plastic casing in water. If the hose is damaged switch off the appliance immediately.

8. **The appliance must be used at temperatures between 5°C and 45°C.**

EC Declaration of conformity
This appliance has been designed, constructed and distributed in compliance with the safety requirements of EC Directives:
- 73/23/EEC
- 89/336/EEC
- 93/68/EEC

CE

Load capacity:
12 place settings.

HOW TO FILL THE SALT CONTAINER

From a water hardness category of 1–2 (medium), before using the dishwasher, fill the salt container with regeneration salt (to find out the hardness level of water in your area, contact your local Water Board or check the last bill you received).
If the water hardness level does not correspond to position 3 on the selector (factory setting) or if the water hardness level changes:
Turn the selector to the correct position
(for dishwashers without salt sensor only):
Set the water hardness by turning the selector (if fitted) inside the door (top left) using a screwdriver.
Use the table below to set the dial to the correct setting:

Hardness level	German degrees °dH	French degrees °fH	mmol/l	Clarke scale or English degrees °eH	Setting
1 soft	0 - 5	0 - 9	0 - 0,9	0 - 6,3	0
1 - 2 medium	6 - 10	10 - 18	1,0 - 1,8	7 - 12,6	1
2 average	11 - 15	19 - 27	1,9 - 2,7	13,3 - 18,9	2
3 medium-hard	16 - 21	28 - 37	2,8 - 3,7	19,6 - 25,9	3
4 hard	22 - 28	38 - 50	3,8 - 5,0	26,6 - 35	4
4 very hard	29 - 35	51 - 63	5,1 - 6,3	35,7 - 44,1	5
4 extremely hard	36 - 60	64 - 107	6,4 - 10,7	44,8 - 74,9	6

For dishwashers without salt sensor only!
In appliances provided with a salt sensor, the selector automatically turns to the correct position.

If the water hardness level falls within category 1 (soft), no salt is required.

How to fill the salt container

Warning: Only use regeneration salts for use in domestic dishwashers!

Do not fill the salt container with unsuitable substances, such as detergent, as this will cause irreparable damage to the water softener system.

1. Remove the lower rack.
2. Unscrew the cap by turning it counter-clockwise.
3. When first using the dishwasher: fill the salt container to the rim with water.
4. Fill the salt container to the rim with salt (using the filler provided) (when filling for the first time use min. 1.5 kg and max. 2 kg) and stir with a spoon handle.
5. Screw the cap back on by turning it clockwise.
6. Fit the lower rack.
7. If regeneration salt is to be added, **immediately** start a wash programme (rinsing alone is not sufficient) in order to eliminate any residual saline solution straight away and avoid corrosion.

Salt level indicator

The dishwasher is equipped with an electric or visual salt level indicator (depending on the model installed).

Electric indicator

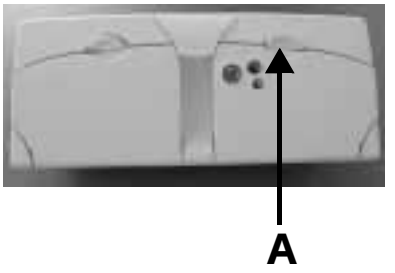
The salt level indicator lamp on the control panel lights up when the salt container is empty.

Visual indicator

The float is clearly visible in the cap window when the salt container is full.
The float lowers and is no longer visible when the salt container is empty.

HOW TO FILL THE RINSE AID DISPENSER

The rinse aid facilitates drying and prevents the formation of unsightly spots and streaks on crockery. Before using the dishwasher for the first time, fill the rinse aid dispenser. Only use rinse aids recommended for use in domestic dishwashers.



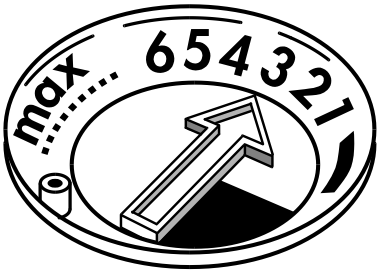
1. Press button **A** to open the cover (see drawing).
2. Fill the dispenser with rinse aid up to the dotted line (about 100 ml **maximum**).
   Immediately wipe away any rinse aid spilt accidentally! This prevents the formation of excess suds which may spoil washing results.
3. Close the cover.

   Thereafter, regularly check the rinse aid level.

How to adjust the rinse aid dosage regulator

Factory setting: Position 4.

If you are not satisfied with washing or drying results, change the rinse aid dosage setting.



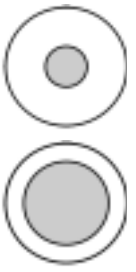
1. Press button **A** to open the cover (see drawing).
2. If crockery is prone to whitish streaks: reduce the dosage by turning the dial to a lower setting (1-3) using a coin or the like. If crockery is not perfectly dry: increase the dosage by turning the dial to a higher setting (5-6).
3. Close the cover.

Rinse aid level indicator:

Visual indicator:

light add rinse aid

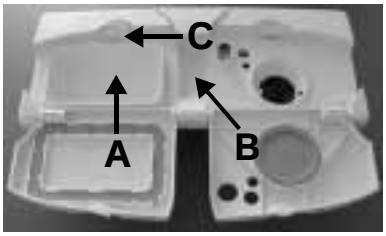
dark sufficient rinse aid.



Electric indicator (if provided):

The indicator lamp on the control panel lights up when more rinse aid needs to be added.

HOW TO FILL THE DETERGENT DISPENSER



Only use detergents recommended for use in domestic dishwashers.
Only fill the detergent dispenser prior to starting a wash programme (see the Quick Reference Guide).

1. Press button **C** to open the cover.
2. **How to fill the detergent dispenser.**

- Programmes with pre-rinse:
  - Powder and/or liquid detergent:
    pour two thirds of the recommended dosage into the **compartment** (**A**);
    pour one third into the **compartment** (**B**).
  - Tablets:
    place a tablet in the **compartment** (**A**) and/or follow the directions on the detergent pack.
- Programmes without pre-rinse:
  - Powder and/or liquid detergent, tablets:
    pour the entire recommended dosage into the **compartment (A)**.
- For programmes with additional “Half load/Multizone” function selected (if provided):
  - When using powder or liquid detergent the dosage can be reduced by 1/3.

3. Close the cover.

Detergent

Use good quality liquid or powder dishwasher detergents and/or tablets (**do not use hand dishwashing detergents**).

In order to safeguard the environment, follow the manufacturer's directions for use. Do not use more than the amount of detergent that is recommended. Observe the manufacturer's safety warnings. Keep these products out of reach of children.

If you use detergents in tablet form, follow the manufacturer's directions for use.

If you use multi-action dishwasher detergents that incorporate rinse aid and regeneration salt, follow the directions below:

- products that incorporate the rinse aid enhance the detergent action only with some programs.
- products that do not require using regeneration salt may be used only in areas with specific water hardness level.

Read the product user instructions carefully. If in doubt, contact the detergent manufacturer.

The guarantee is not applicable if faults are caused by the use of these products.

CARE AND MAINTENANCE

Before cleaning or carrying out maintenance, switch off the appliance, disconnect the mains plug and turn off the water tap.

Cleaning the outside of the appliance:

To clean the outside of the appliance, use a neutral detergent and a damp cloth.
Clean the control panel with a damp cloth only.
Do not use abrasive detergents.

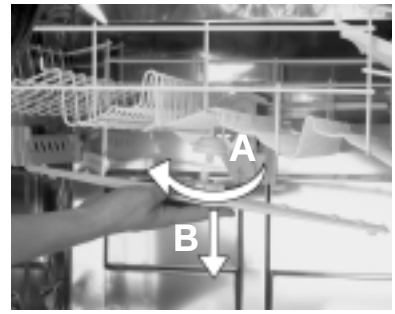
Cleaning the inside of the dishwasher:

Regularly wipe the door seal and inside of the door with a damp cloth to remove any food residue.

Upper spray arm:

1. Slacken the fixing nut (**A**) (by turning it counter-clockwise) and detach the spray arm (**B**) by pulling it down.
2. Rinse the nozzles.
3. To remount the spray arm, align it and then tighten the fixing nut (by turning it clockwise)**,** paying attention not to bend it.
   The fixing nut must be tightened until it clicks!

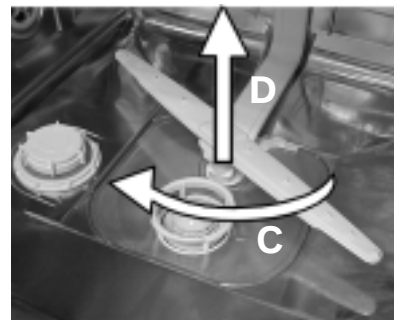
   Make sure the spray arm rotates freely.



Lower spray arm:

1. Slacken the fixing nut (**C**) (by turning it counter-clockwise) and detach the spray arm (**D**) by pulling it upwards.
2. Rinse the nozzles.
3. To remount the spray arm, align it and then tighten the fixing nut (by turning it clockwise), paying attention not to bend it.
   The fixing nut must be tightened until it clicks.

   Make sure the spray arm rotates freely.

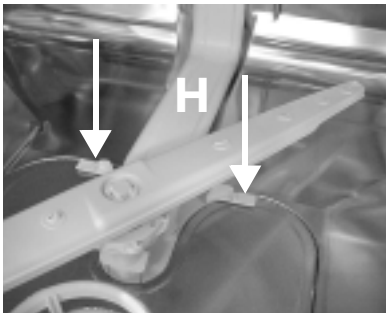


CARE AND MAINTENANCE

Cleaning the filters

1. Rotate the microfilter counter-clockwise (in the direction of the arrow **“0”**) and extract it (**E**).
2. Remove the wide-mesh filter (**F**).
3. Remove the fine-mesh filter (**G**).
4. Clean all filters under running water, paying attention not to bend the fine-mesh filter.
   Check that no impurities are left inside the dishwasher!
5. To reassemble:
   insert the wide-mesh filter into the microfilter so it clicks into place. Insert the fine-mesh filter.
   The filter must be fitted under both tabs (H).
   Insert the wide-mesh filter / microfilter unit and turn clockwise (in the direction of the arrow **“1”**), until the dashed lines on the microfilter and fine-mesh filter are aligned.

   The filter unit must be correctly assembled to ensure good wash results!



Ecological Paper

Printed in Germany

5019 396 94106

I GB

5/1104